

**U.S. Wheat and Barley Scab Initiative  
 FY01 Final Performance Report (approx. May 01 – April 02)  
 July 15, 2002**

**Cover Page**

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<b>Year:</b>	<b>FY2001 (approx. May 01 – April 02)</b>
<b>Grant Number:</b>	<b>59-0790-1-074</b>
<b>Grant Title:</b>	<b>Fusarium Head Blight Research</b>
<b>FY01 ARS Award Amount:</b>	<b>\$ 28,552</b>

**Project**

<b>Program Area</b>	<b>Project Title</b>	<b>Requested Amount</b>
HQ	Economic Impact of Scab on Wheat and Barley with Alternative Risk Management Strategies	\$ 29,331
	<b>Total Amount Requested</b>	<b>\$ 29,331</b>

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 William Nganje  
 Principal Investigator

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 07/15/02  
 Date

**Project 1: Economic Impact of Scab on Wheat and Barley with Alternative Risk Management Strategies**

1. What major problem or issue is being resolved and how are you resolving it?

The major problem that is being addressed in this project is to evaluate the effectiveness of alternative post harvest risk management strategies for Fusarium Head Blight (FHB). The problem is being resolved by developing economic crop quality insurance and grain blending models for farmers and grain handlers.

2. What were the most significant accomplishments?

We have completed the crop quality insurance model and adopted it to the case of barley. Several presentations and papers are currently under review in major economic journals. A grain blending model for FHB has also been completed. We are adopting the models to various regions, for barley and wheat.

Include below a list of the publications, presentations, peer-reviewed articles, and non-peer reviewed articles written about your work that resulted from all of the projects included in the grant. Please reference each item using an accepted journal format. If you need more space, continue the list on the next page.

- **Nganje, W. E.**, Tiapo Napoleon and William Wilson. “Crop Insurance Under Quality Uncertainty, Published Abstract” Journal of Agriculture and Resources Economics, Vol. 26, December 2001.
- **Nganje, E. William** and Cole Gustafson. “Impact of Quality and Risk Aversion on Crop Insurance Decisions.” Paper Submitted to the Review of Agriculture Finance May 2002.
- **Nganje, W. E.**, Tiapo Napoleon and William Wilson.. “Crop Insurance Under Quality Uncertainty,” Web Based Proceeding, WAEA, Logan Utah, July, 2001.
- Nganje, E. William. “Oversight in Crop Quality Insurance.” Extension Conference Presentation, January 2002, Fargo.
- Nganje, W. E., Tiapo Napoleon and William Wilson. “Crop Insurance Under Quality Uncertainty,” Selected paper, WAEA, Logan Utah, July, 2001.
- Johnson, Demcey and **William Nganje**, "Quality Discounts, Blending Margins, and Firm-Level Risks for Malting Barley." Second Review, Current Agricultural Food and Research Issues. 2002.